INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

August 19, 2003

TO: Interested Parties / Applicant

RE: Equilon Enterprises LLC / F035-16539-00018

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot 8/11/03

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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) RENEWAL OFFICE OF AIR QUALITY

Equilon Enterprises LLC d.b.a Shell Oil Products US - Muncie Terminal
2000 East State Road 28
Muncie, Indiana 47302

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F035-16539-00018	
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 20, 2003 Expiration Date: August 20, 2008

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary bulk petroleum storage and transfer terminal.

Authorized individual:	Midwest Region Manager
Source Address:	2000 East State Road 28, Muncie, Indiana 47303
Mailing Address:	P.O. Box 2648, TSP 15, Houston, Texas 77252
General Source Phone:	(713) 241 6715
SIC Code:	5171
Source Location Status:	Delaware Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD; Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source source consists of the following emission units and pollution control devices:

(a) One (1) internal floating roof gasoline (or distillate) storage tank (M10), with a nominal capacity of 533,400 gallons, identified as Emission Unit (EU) 02, and exhausting at one (1) emission point identified as S/V 02 (constructed in 1946, internal floating roof installed in 1987).

(b) One (1) internal floating roof gasoline (or distillate) storage tank (M11), with a nominal capacity of 894,600 gallons, identified as EU 03, and exhausting at one (1) emission point identified as S/V 03 (constructed in 1946, internal floating roof installed in 1987).

(c) One (1) fixed cone roof distillate storage tank (M21), with a nominal capacity of 584,178 gallons, identified as EU 04, and exhausting at one (1) emission point identified as S/V 04 (constructed in 1946, internal floating roof installed in 1998).

(d) One (1) internal floating roof gasoline (or distillate) storage tank (M71), with a nominal capacity of 551,418 gallons, identified as EU 05, and exhausting at one (1) emission point identified as S/V 05 (constructed in 1946, internal floating roof installed in 1992).

(e) One (1) tank truck loading rack used to load gasoline and distillates, identified as EU 07, equipped with four (4) loading arms capable of bottom loading products, controlled by one (1) carbon adsorption gasoline vapor recovery unit (VRU), and exhausting through one (1) stack identified as S/V 07 (loading rack originally constructed in 1938 and later modified in 1997; VRU was installed in 1997).

(f) Fugitive VOC emissions from the loading rack, identified as F07.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight.
One (1) No. 2 fuel oil fired office space heater, rated at 0.113 MMBtu/hr.

(b) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(c) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.

(d) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
One (1) oil water separator and one (1) contact water cistern.

(e) Paved and unpaved roads and parking lots with public access.

(f) Other categories with emissions below insignificant thresholds (i.e. less than 3 pounds per hour VOC, 1 ton per year single HAP and 2.5 tons per year combined HAPs).
(1) One (1) 11,340 gallon fuel additive storage tank (M01), identified as EU 01, and constructed in 1982.
(2) One (1) 5,860 gallon fuel additive storage tank (M02), identified as EU 08, and constructed in 1989.
(3) One (1) 21,000 gallon contact water storage tank (M31), identified as EU 11, and constructed in 1946.
(4) Fugitive liquid and vapor emissions due to equipment leaks.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.4 Enforceability [326 IAC 2-8-6]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1 When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; and

(3) Denial of a permit renewal application.

(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

(5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.14 Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(2) If IDEM, OAQ upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

(b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

(c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2][IC13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P][326 IAC 6-3-2]

(a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

(b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-2 (PSD);

(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.

(c) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit vented to the control equipment is in operation.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.9 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63 or other approved methods as specified in this permit.

C.13 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.

(d) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance as defined in is present at a source in more than a threshold quantity, the source must comply with the applicable requirements of 40 CFR 68.

C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall be considered a deviation from the permit.

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156

(b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(a) One (1) internal floating roof gasoline (or distillate) storage tank (M10), with a nominal capacity of 533,400 gallons, identified as Emission Unit (EU) 02, and exhausting at one (1) emission point identified as S/V 02 (constructed in 1946, internal floating roof installed in 1987).

(b) One (1) internal floating roof gasoline (or distillate) storage tank (M11), with a nominal capacity of 894,600 gallons, identified as EU 03, and exhausting at one (1) emission point identified as S/V 03 (constructed in 1946, internal floating roof installed in 1987).

(c) One (1) fixed cone roof distillate storage tank (M21), with a nominal capacity of 584,178 gallons, identified as EU 04, and exhausting at one (1) emission point identified as S/V 04 (constructed in 1946, internal floating roof installed in 1998).

(d) One (1) internal floating roof gasoline (or distillate) storage tank (M71), with a nominal capacity of 551,418 gallons, identified as EU 05, and exhausting at one (1) emission point identified as S/V 05 (constructed in 1946, internal floating roof installed in 1992).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4(1)] [40 CFR Part 63, Subpart R] [326 IAC 20]

(a) The total throughput of petroleum products (gasoline or distillates) through internal floating roof storage tanks No. M10, M11, M21 and M71 shall be limited to 157,345,440 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to VOC, single HAP, and total HAPs emissions of 8.68, 1.30, and 3.41 tons per year, respectively.

Compliance with above throughput limits in conjunction with the requirements of Conditions D.2.2, and D.3.1 shall limit source wide emissions of VOC, worst case single HAP, and total HAPs to less than 100, 10, and 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month, respectively. Therefore, the requirements of 326 IAC 2-7, and 40 CFR Part 63.420, and Subpart R, National Emission Standards for Gasoline Terminals and Pipeline Breakout Stations, do not apply.

Compliance Determination Requirements

There are no specific Compliance Determination Requirements applicable to these emission units.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

There are no specific Compliance Monitoring Requirements applicable to these emission units.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.2 Record Keeping Requirements

(a) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be compiled monthly and shall be complete and sufficient to establish compliance with the usage limits and/or the VOC and HAP emission limits established in Condition D.1.1.

(1) The total throughputs of petroleum products (gasoline and distillates) through all four tanks per month;

(2) Total amounts of petroleum products (gasoline and distillates) throughput for 12 consecutive month period from storage tanks;

(3) The types of volatile petroleum liquid stored;

(4) The maximum true vapor pressure of the liquid as stored; and

(5) The results of inspections performed on the storage vessels.

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.3 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(e) One (1) tank truck loading rack used to load gasoline and distillates, identified as EU 07, equipped with four (4) loading arms capable of bottom loading products, controlled by one (1) carbon adsorption gasoline vapor recovery unit (VRU), and exhausting through one (1) stack identified as S/V 07 (loading rack originally constructed in 1938 and later modified in 1997; VRU was installed in 1997).

(f) Fugitive VOC emissions from the loading rack, identified as F07.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

The provisions of 40 CFR 60 Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 60.500, Subpart XX.

D.2.2 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4(1)] [40 CFR Part 63, Subpart R] [326 IAC 20]

(a) The loading of petroleum products (gasoline) through the truck loading rack shall be limited to 157,345,440 gallons of gasoline per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to limited VOC, single HAP, and total HAPs emissions of 31.52, 4.73, and 12.37 tons per year (including fugitive emissions), respectively, based on the vapor recovery unit (VRU) controlling VOC emission with an over all capture efficiency of 98.7%.

(b) The loading of distillates through the truck loading rack shall be limited to 157,345,440 gallons of distillate per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to VOC, single HAP, and total HAPs emissions of 1.20, 0.01, and 0.03 tons per year (including fugitive emissions), respectively, without being controlled by the VRU.

Compliance with above limits in conjunction with the requirements of Conditions D.1.1, and D.3.1 shall limit source wide emissions of VOC, worst case single HAP, and total HAPs to less than 100, 10, and 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month, respectively. Therefore, the requirements of 326 IAC 2-7, and 40 CFR Part 63.420, and Subpart R, National Emission Standards for Gasoline Terminals and Pipeline Breakout Stations, do not apply.

D.2.3 Volatile Organic Compounds (VOC) [326 IAC 12] [40 CFR 60.500, Subpart XX] [326 IAC 2-8-4]

Pursuant to 40 CFR 60.502, Subpart XX, this rule requires:

(a) The VOC emissions to the atmosphere from the vapor collection system due to the loading of liquid product into gasoline tank trucks shall not exceed 35 milligrams of total organic compounds per liter of gasoline loaded, except as noted in paragraph (c) of 40 CFR 60.502.

(b) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR 60.503(d).

(c) No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).

Compliance with above limits shall limit source wide emissions of VOC, worst case single HAP, and total HAPs to less than 100, 10, and 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month, respectively. Therefore, the requirements of 326 IAC 2-7, and 40 CFR Part 63.420, and Subpart R, National Emission Standards for Gasoline Terminals and Pipeline Breakout Stations, do not apply.

D.2.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.2.5 Volatile Organic Compounds (VOC) [326 IAC 12] [40 CFR 60.500, Subpart XX]

Pursuant to 40 CFR 60.502, Subpart XX, this rule requires:

(a) Each affected facility shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading.

(b) Each vapor collection system shall be designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack.

(c) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures:

(1) The Permittee shall obtain the vapor tightness documentation described in 40 CFR 60.505(b) for each gasoline tank truck which is to be loaded at the affected facility.

(2) The Permittee shall notify the owner or operator of each nonvapor-tight gasoline tank truck loaded at the affected facility within 3 weeks after the loading has occurred.

(3) The Permittee shall take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained.

(4) Alternate procedures to those described in paragraphs (e)(1) through (5) of 40 CFR 60.502 for limiting gasoline tank truck loadings may be used upon application to, and approval by, the IDEM, OAQ.

(d) The Permittee shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.

(e) The Permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.

(f) Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.

D.2.6 VOC and HAPs

In order to comply with Conditions D.2.2(a) and D.2.3, the Vapor Recovery Unit (VRU) for loading rack VOC and HAPs control shall be in operation and control emissions from the loading rack at all times when gasoline is being loaded.

D.2.7 Testing Requirements [326 IAC 2-8-5(1)] [40 CFR 60.500, Subpart XX] [326 IAC 12]

(a) Immediately before the performance test required to determine compliance with 40 CFR 60.502 (b), (c), and (h), the Permittee shall use Method 21 to monitor for leakage of vapor all potential sources in the terminal's vapor collection system equipment while a gasoline tank truck is being loaded. The Permittee shall repair all leaks with readings of 10,000 ppm (as methane) or greater before conducting the performance test.

(b) During the period between May 18, 2004 and November 18, 2004 which corresponds to five (5) years since the latest valid stack test plus one hundred and eighty (180) days, the Permittee shall determine compliance with the VOC standards in 40 CFR 60.502 (b) and (c) using the testing procedures pursuant to 40 CFR 60.503 (c)(1) through (7).

(c) During the period between May 18, 2004 and November 18, 2004 which corresponds to five (5) years since the latest valid stack test plus one hundred and eighty (180) days, the Permittee shall determine compliance with the standard in 40 CFR 60.502 (h) using the testing procedures pursuant to 40 CFR 60.503 (d)(1) and (2).

(d) These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.2.8 Monthly Visible Checks for Liquid Leaks

(a) Monthly checks for liquid leaks during loading or unloading operations of the Loading Rack, the vapor collection system and the vapor recovery unit (VRU) shall be performed during normal daylight operations when the facility is in operation. A trained employee will record any visible liquid leaks and the date of such leaks.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.9 Record Keeping Requirements

(a) To document compliance with Condition D.2.2 the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be compiled monthly and shall be complete and sufficient to establish compliance with the usage limits and/or the VOC and HAP emission limits established in Condition D.2.2.

(1) The amount of petroleum products (gasoline and distillates) loaded each month. Records shall include those documents as necessary to verify the type and amount of throughput. Examples may include, but are not limited to, shipping documents, bills of lading, purchase orders, pipeline schedules, throughput summaries, Material Safety Data Sheets, and/or other records that document volumes of the specific regulated material transferred;

(2) Total amounts of petroleum products (gasoline and distillates) throughput for 12 consecutive month period from storage tanks.

(b) To document compliance with Condition D.2.8, the Permittee shall maintain records of monthly checks for liquid leaks of the Loading Rack and VRU stack exhaust.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.10 Record Keeping Requirements [Subpart XX, 40 CFR 60.505] [326 IAC 12-1]

(a) To document compliance with Condition D.2.3 the Permittee shall maintain records in accordance with (1) and (2) below.

(1) The Permittee shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility.

(2) The Permittee shall cross-check each tank identification number obtained in paragraph (e)(2) of 40 CFR 60.502 with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded.

(b) The tank truck vapor tightness documentation required under 40 CFR 60.502(e)(1) shall be kept on file at the terminal in a permanent form available for inspection.

(c) The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by Method 27. This documentation shall include, as a minimum, the following information:

(1) Test title: Gasoline Delivery Tank Pressure Test-EPA Reference Method 27.
(2) Tank owner and address.
(3) Tank identification number.
(4) Testing location.
(5) Date of test.
(6) Tester name and signature.
(7) Witnessing inspector, if any: Name, signature, and affiliation.
(8) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs).

(d) A record of each monthly leak inspection required under 40 CFR 60.502(j) shall be kept on file at the terminal for at least 2 years. Inspection records shall include, as a minimum, the following information:

(1) Date of inspection.
(2) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak).
(3) Leak determination method.
(4) Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days).
(5) Inspector name and signature.

(e) The terminal owner or operator shall keep documentation of all notifications required under 40 CFR 60.502(e)(4) on file at the terminal for at least 2 years.

(f) The Permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least 3 years.

D.2.11 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Insignificant Activity

(a) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight.
One (1) No. 2 fuel oil fired office space heater, rated at 0.113 MMBtu/hr.

(b) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(c) Application of oils, greases, lubricants o other nonvolatile materials applied as temporary protective coatings.

(d) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
One (1) oil water separator and one (1) contact water cistern.

(e) Paved and unpaved roads and parking lots with public access.

(f) Other categories with emissions below insignificant thresholds (i.e. less than 3 pounds per hour VOC, 1 ton per year single HAP and 2.5 ton per year combined HAPs).
(1) One (1) 11,340 gallon fuel additive storage tank (M01), identified as EU 01, and constructed in 1982.
(2) One (1) 5,860 gallon fuel additive storage tank (M02), identified as EU 08, and constructed in 1989.
(3) One (1) 21,000 gallon contact water storage tank (M31), identified as EU 11, and constructed in 1946.
(4) Fugitive liquid and vapor emissions due to equipment leaks.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

There are no specific emission limitations and standards applicable to these facilities.

Compliance Determination Requirement

There are no specific compliance determination requirements applicable to these facilities.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

There are no specific compliance monitoring requirements applicable to these facilities.

Record Keeping and Reporting Requirement [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

There are no specific record keeping and reporting requirements applicable to these facilities.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Equilon Enterprises LLC d.b.a Shell Oil Products US
Source Address: 2000 East State Road 28, Muncie, Indiana 47303
Mailing Address: P.O. Box 2648, TSP 15, Houston, Texas 77252
FESOP No.: F035-16539-00018

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

9 Annual Compliance Certification Letter

9 Test Result (specify) _____

9 Report (specify) _____

9 Notification (specify) _____

9 Affidavit (specify) _____

9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Equilon Enterprises LLC d.b.a Shell Oil Products US
Source Address: 2000 East State Road 28, Muncie, Indiana 47303
Mailing Address: P.O. Box 2648, TSP 15, Houston, Texas 77252
FESOP No.: F035-16539-00018

This form consists of 2 pages **Page 1 of 2**

9 This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Equilon Enterprises LLC d.b.a Shell Oil Products US
Source Address: 2000 East State Road 28, Muncie, Indiana 47303
Mailing Address: P.O. Box 2648, TSP 15, Houston, Texas 77252
FESOP No.: F035-16539-00018
Facility: Storage tanks M10, M11, M21 and M71
Parameter: Total petroleum product (gasoline and distillates) throughput
Limit: Petroleum Products (gasoline and gasoline) throughput: 157,345,440 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Fuel Type	Month: _____			Month: _____			Month: _____		
	Column 1	Column 2	Column 1 +2	Column 1	Column 2	Column 1 +2	Column 1	Column 2	Column 1 +2
	Total Throughput this Month	Total Throughput Previous 11 Months	12 Month Total Throughput	Total Throughput this Month	Total Throughput Previous 11 Months	12 Month Total Throughput	Total Throughput this Month	Total Throughput Previous 11 Months	12 Month Total Throughput
Gasoline									
Distillate									

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Equilon Enterprises LLC d.b.a Shell Oil Products US
Source Address: 2000 East State Road 28, Muncie, Indiana 47303
Mailing Address: P.O. Box 2648, TSP 15, Houston, Texas 77252
FESOP No.: F035-16539-00018
Facility: One (1) tank truck loading rack
Parameter: Petroleum products (gasoline and distillate) throughputs
Limit: Gasoline throughput: 157,345,440 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.
Distillates throughput: 157,345,440 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Fuel Type	Month: _____			Month: _____			Month: _____		
	Column 1	Column 2	Column 1 +2	Column 1	Column 2	Column 1 +2	Column 1	Column 2	Column 1 +2
	Total Throughput this Month	Total Throughput Previous 11 Months	12 Month Total Throughput	Total Throughput this Month	Total Throughput Previous 11 Months	12 Month Total Throughput	Total Throughput this Month	Total Throughput Previous 11 Months	12 Month Total Throughput
Gasoline									
Distillate									

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Equilon Enterprises LLC d.b.a Shell Oil Products US
Source Address: 2000 East State Road 28, Muncie, Indiana 47303
Mailing Address: P.O. Box 2648, TSP 15, Houston, Texas 77252
FESOP No.: F035-16539-00018

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked “No deviations occurred this reporting period”.
9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Page 2 of 2

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By: ______________________________

Title/Position: ______________________________

Date: ______________________________

Phone: ______________________________

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Federally Enforceable State Operating Permit (FESOP) Renewal

Source Background and Description

Source Name:	Equilon Enterprises LLC d.b.a Shell Oil Products US - Muncie Terminal
Source Location:	2000 East State Road 28, Muncie, Indiana 47303
County:	Delaware
SIC Code:	5171
Operation Permit No.:	F035-16539-00018
Permit Reviewer:	Adeel Yousuf / EVP

The Office of Air Quality (OAQ) has reviewed a FESOP renewal application from Equilon Enterprises LLC d.b.a Shell Oil Products US - Muncie Terminal relating to the operation of a bulk petroleum storage and transfer terminal. Equilon Enterprises LLC d.b.a Shell Oil Products US - Muncie Terminal was issued FESOP 035-7279-00018 on June 24, 1998.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

(a) One (1) internal floating roof gasoline (or distillate) storage tank (M10), with a nominal capacity of 533,400 gallons, identified as Emission Unit (EU) 02, and exhausting at one (1) emission point identified as S/V 02 (constructed in 1946, internal floating roof installed in 1987).

(b) One (1) internal floating roof gasoline (or distillate) storage tank (M11), with a nominal capacity of 894,600 gallons, identified as EU 03, and exhausting at one (1) emission point identified as S/V 03 (constructed in 1946, internal floating roof installed in 1987).

(c) One (1) fixed cone roof distillate storage tank (M21), with a nominal capacity of 584,178 gallons, identified as EU 04, and exhausting at one (1) emission point identified as S/V 04 (constructed in 1946, internal floating roof installed in 1998).

(d) One (1) internal floating roof gasoline (or distillate) storage tank (M71), with a nominal capacity of 551,418 gallons, identified as EU 05, and exhausting at one (1) emission point identified as S/V 05 (constructed in 1946, internal floating roof installed in 1992).

(e) One (1) tank truck loading rack used to load gasoline and distillates, identified as EU 07, equipped with four (4) loading arms capable of bottom loading products, controlled by one (1) carbon adsorption gasoline vapor recovery unit (VRU), and exhausting through one (1) stack identified as S/V 07 (loading rack originally constructed in 1938 and later modified in 1997; VRU was installed in 1997).

(f) Fugitive VOC emissions from the loading rack, identified as F07.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight.
One (1) No. 2 fuel oil fired office space heater, rated at 0.113 MMBtu/hr.

(b) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(c) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.

(d) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
One (1) oil water separator and one (1) contact water cistern.

(e) Paved and unpaved roads and parking lots with public access.

(f) Other categories with emissions below insignificant thresholds (i.e. less than 3 pounds per hour VOC, 1 ton per year single HAP and 2.5 tons per year combined HAPs).
(1) One (1) 11,340 gallon fuel additive storage tank (M01), identified as EU 01, and constructed in 1982.
(2) One (1) 5,860 gallon fuel additive storage tank (M02), identified as EU 08, and constructed in 1989.
(3) One (1) 21,000 gallon contact water storage tank (M31), identified as EU 11, and constructed in 1946.
(4) Fugitive liquid and vapor emissions due to equipment leaks.

Existing Emission Units That Are Out of Service

The following emission units are listed as out of service, and may not be operated without prior OAQ approval:

(a) One (1) floating roof storage tank (M20), with a nominal capacity of 210,000 gallons, identified as EU 09 (constructed in 1946).

(b) One (1) fixed coned roof distillate storage tank (M30), with a nominal capacity of 21,000 gallons, identified as EU 10 (constructed in 1946).

(c) One (1) floating roof storage tank (M40), with a nominal capacity of 84,000 gallons, identified as EU 12 (constructed in 1946).

(d) One (1) fixed coned roof storage tank (M70), with a nominal capacity of 84,000 gallons, identified as EU 13 (constructed in 1946).

(e) One (1) fixed coned roof storage tank (M83), with a nominal capacity of 4,620,000 gallons, identified as EU 14 (constructed in 1965).

Existing Approvals

The source has been operating under the following previous approvals:

(a) FESOP 035-7279-00018, issued on June 24, 1998.

(b) First Administrative Amendment 035-10342-00018, issued on January 20, 1999.

(c) First Minor Permit Revision 035-10058-00018, issued on January 22, 1999.

(c) Second Administrative Amendment 035-15803-00018, issued on April 16, 2002.

All terms and conditions of previous permit issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the FESOP Renewal be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete FESOP Renewal application for the purposes of this review was received on September 3, 2002. Additional information was received on June 11 , 2003.

There was no notice of completeness letter mailed to the source.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (Appendix A, pages 1 through 8).

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source, excluding the emission limits that were contained in the previous FESOP.

Pollutant	Unrestricted Potential Emissions (tons/yr)
PM	negl.
PM-10	negl.
SO_2	0.30
VOC	675.83
CO	negl.
NO_x	0.10

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP's	Unrestricted Potential Emissions (tons/yr)
Xylenes	greater than 10
Toluene	greater than 10
MTBE	greater than 10
2,2,4-Trimethylpentane	greater than 10
1,2,4-Trimethyl benzene	greater than 10
Cumene	less than 10
Naphthalene	less than 10
Benzene	less than 10
Ethylbenzene	less than 10
n-Hexane	less than 10
TOTAL	greater than 25

(a) The unrestricted potential emissions of VOC is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(b) The unrestricted potential emissions of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination HAPs is greater than or equal to twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD and Emission Offset applicability.

Potential to Emit After Issuance

The source, issued a FESOP on June 24, 1998, has opted to remain a FESOP source, rather than apply for a Part 70 Operating Permit. The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of this Federally Enforceable State Operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit. Since the source has not constructed any new emission units, the source's potential to emit is based on the emission units included in the original FESOP. (F035-7279-00018; issued on June 24, 1998).

	Potential to Emit After Issuance (tons/year)						
Process/emission unit	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Storage Tanks (M10, M11, M21, M71)	--	--	--	8.68	--	--	1.30 (single) 3.41 (total)
Truck Loading Rack (gasoline loading - VRU)	--	--	--	22.98	--	--	3.45 (single) 9.02 (total)
Truck Loading Rack (distillate loading)	--	--	--	1.20	--	--	0.01 (single) 0.03 (total)
Truck Loading Rack (Transport truck fugitives)	--	--	--	8.54	--	--	0.87 (single) 2.27 (total)
Insignificant Activities *	negl.	negl.	0.30	0.59	negl.	0.10	0.05 (single) 0.20 (total)
Total PTE After Issuance	negl.	negl.	0.30	< 100.00	negl.	0.10	< 10 (single) < 25 (total)

* Insignificant activities consist of No. 2 fuel oil combustion, insignificant storage tanks and process fugitives.

County Attainment Status

The source is located in Delaware County.

Pollutant	Status
PM-10	attainment
SO_2	attainment
NO_2	attainment
Ozone	attainment
CO	attainment
Lead	attainment

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Delaware County has been designated as attainment or unclassifiable for ozone.

(b) Delaware county has been classified as attainment or unclassifiable for all other criteria pollutants.

Federal Rule Applicability

There are no new federal rules applicable to the source during this FESOP review process. The applicability determination that follows is based on that conducted for original FESOP F035-7279-00018, issued on June 24, 1998.

(a) The storage tanks identified as M10, M11, M21, M71 and M31 are not subject to the New Source Performance Standards, 326 IAC 12, (40 CFR Parts 60.110, 110a-115a or 110b-117b, Subparts K, Ka or Kb), because these tanks were all originally constructed in 1946, prior to the earliest applicability date of June 11, 1973 for Subpart K, Ka or Kb.
Note:
Tanks M10, M11 and M71 were all originally constructed in 1946 as fixed cone roof tanks. Each tank was converted in 1987, 1987, and 1992, respectively, to an internal floating roof with a primary and secondary seals. This physical change made to tanks M10, M11, and M71 is not considered a modification because the potential to emit did not increase. Tank M31 has never been modified since the original construction date.

(b) The storage tank identified as M01, is not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.110a, Subpart Ka), because this tank, constructed in 1982, has a storage capacity less than 40,000 gallons.

(c) The storage tank identified as M02 (constructed in 1989) is not subject to the requirements of 326 IAC 12, (40 CFR Part 60.110, Subpart Kb) since the tank has a maximum capacity of less than 40 cubic meters (m^3) (10,567 gallons).

(d) The one (1) loading rack (constructed in 1938) and one (1) carbon adsorption gasoline vapor recovery unit (VRU) are subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.500, Subpart XX) "Standards of Performance for Bulk Gasoline Terminals" because the loading rack was modified after the rule applicability date of December 17, 1980, which resulted in an increase in emissions. Pursuant to subpart XX, this rule requires:

(a) Each affected facility shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading.

(b) The emissions to the atmosphere from the vapor collection system due to the loading of liquid product into gasoline tank trucks are not to exceed 35 milligrams of total organic compounds per liter of gasoline loaded, except as noted in paragraph (c) of 40 CFR 60.502.

(c) Each vapor collection system shall be designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack.

(d) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures:

(1) The Permittee shall obtain the vapor tightness documentation described in 40 CFR 60.505(b) for each gasoline tank truck which is to be loaded at the affected facility.
(2) The Permittee shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility.
(3) The Permittee shall cross-check each tank identification number obtained in paragraph (e)(2) of 40 CFR 60.502 with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded.
(4) The Permittee shall notify the owner or operator of each nonvapor-tight gasoline tank truck loaded at the affected facility within 3 weeks after the loading has occurred.
(5) The Permittee shall take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained.
(6) Alternate procedures to those described in paragraphs (e)(1) through (5) of 40 CFR 60.502 for limiting gasoline tank truck loadings may be used upon application to, and approval by, the IDEM, OAQ.

(e) The Permittee shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.

(f) The Permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.

(g) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR 60.503(d).

(h) No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).

(i) Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.

The source will comply with the requirements of Subpart XX by utilizing a vapor recovery unit to control total volatile organic compound emissions to 35 milligrams per liter of gasoline loaded. Records will also be maintained as required.

(e) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), 326 IAC 20, (40 CFR Part 63.420, Subpart R), because the source is not a major source of HAP. The source has chosen to limit the source wide emissions of any combination of HAPs and any single HAP to less than 25 and 10 tons per twelve (12) consecutive month period, respectively, by limiting the annual fuel throughput.

(f) The requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not applicable to this source. Generally, such requirements apply to a Part 70 source that involves a pollutant-specific emissions unit (PSEU), as defined in 40 CFR 64.1, that meets the following criteria:

(1) the unit is subject to an emission limitation or standard for an applicable regulated air pollutant,

(2) the unit uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard, and

(3) the unit has a potential to emit before controls equal to or greater than the applicable Part 70 major source threshold for the regulated pollutant.

As a FESOP source, this source has accepted federally enforceable limits such that the requirements of 326 IAC 2-7 (Part 70) do not apply. Therefore, the requirements of 40 CFR 64, Compliance Assurance Monitoring, are not applicable to this source.

(g) The requirements of Section 112(j) of the Clean Air Act (40 CFR Part 63.50 through 63.56) are not applicable to this source, because the source has a limited potential to emit of less than 10 tons per year of a single HAP and less than 25 tons per year of the combination of HAPs.

State Rule Applicability - Entire Source

There are no new state rules applicable to the entire source during this FESOP renewal review process. The applicability determination that follows is based on that conducted for original FESOP 035-7279-00018; issued on June 24, 1998.

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This source is not subject to the requirements of this rule. This source was constructed in 1938, prior to the rule applicability date of August 7, 1977, is not one of the 28 listed source categories and no major modifications were done, therefore, it is not subject to the requirements of the rule. Therefore, the requirements of 326 IAC 2-2 (PSD) do not apply.

326 IAC 2-4.1-1 (New Source Toxics Control)

This source is not subject to 326 IAC 2-4.1-1 (New Source Toxics Control) because no new or reconstructed facilities with a PTE of any single HAP at 10 tons per year or 25 tons per year of the combination HAPs have been installed since July 27, 1997. Therefore, 326 IAC 2-4.1-1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source, which is located in Delaware County, has accepted federally enforceable operation conditions which limit emissions of VOC to below 100 tons per year. The potential to emit of all other regulated pollutants is less than 100 tons per year. Therefore, this source is not subject to 326 IAC 2-6 (Emission Reporting).

326 IAC 2-8-4 (FESOP)

This source is subject to 326 IAC 2-8-4 (FESOP). Pursuant to this rule, the following conditions shall apply:

(1) The loading of petroleum products (gasoline) through the truck loading rack shall be limited to 157,345,440 gallons of gasoline per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to limited VOC, single HAP, and total HAPs emissions of 31.52, 4.73, and 12.37 tons per year (including fugitive emissions), respectively, based on the vapor recovery unit (VRU) controlling VOC emission with an over all capture efficiency of 98.7%.

(2) The loading of distillates through the truck loading rack shall be limited to 157,345,440 gallons of distillate per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to VOC, single HAP, and total HAPs emissions of 1.20, 0.01, and 0.03 tons per year (including fugitive emissions), respectively, without being controlled by the VRU.

(3) The total throughput of petroleum products (gasoline or distillates) through internal floating roof storage tanks No. M10, M11, M21 and M71 shall be limited to 157,345,440 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to VOC, single HAP, and total HAPs emissions of 8.68, 1.30, and 3.41 tons per year, respectively.

Compliance with above conditions shall limit the source-wide VOC, single HAP, and total HAPs emissions to less than 100, 10 and 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month, respectively. Therefore, the requirements of 326 IAC 2-7 (Part 70) do not apply.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is not subject to 326 IAC 6-5, for fugitive particulate matter emissions, because the fugitive particulate matter emissions from this source are less than 25 tons per year.

State Rule Applicability - Individual Facilities

There are no new state rules determined as applicable to individual facilities at this source during this FESOP renewal review process. The applicability determination that follows is based on that conducted for original FESOP 141-7279-00018; issued on June 24, 1998.

326 IAC 8-1-6 (General Volatile Organic Compound Reduction Requirements)

This rule applies to facilities located anywhere in the state that were constructed on or after January 1, 1980, which have potential volatile organic compound (VOC) emissions of 25 tons per year or more and are not subject to other provisions of Article 8. This source has a loading rack (EU 07) that was originally constructed in 1938 and modified after January 1, 1980, with potential uncontrolled VOC emissions in excess of 25 tons per year. However, the loading rack is not a new facility and therefore, this rule does not apply.

326 IAC 8-4 (Petroleum Sources)

Section 2 through 5 and section 7 through 9 of 326 IAC 8-4 apply to all new sources as of January 1, 1980. This source was originally constructed in 1938 with subsequent modifications in 1946, 1987, 1992, 1997 and 1998. Therefore, this source is not a new source and not subject to the requirements of 326 IAC 8-4.

The modification to tanks M10, M11, M21, and M71 in 1987, 1987, 1988, and 1992, respectively, is not considered a new construction or installation, therefore these tanks are not subject to the requirements of 326 IAC 8-4.

326 IAC 8-4-6 (Gasoline Dispensing Facilities)

Section 6 of 326 IAC 8-4 applies to any gasoline storage tank installed after July 1, 1989, at a gasoline dispensing facility. The source is not subject to the requirements of 326 IAC 8-4-6 (Gasoline Dispensing Facilities), because the source has not installed any gasoline storage tanks after July 1, 1989, does not dispense gasoline into motor vehicle fuel tanks or portable containers and is not a gasoline dispensing facility.

326 IAC 8-6 (Organic Solvent Emission Limitations)

Pursuant to 326 IAC 8-6-1, the requirements of this rule apply to sources commencing operation after October 7, 1974 and prior to January 1, 1980, located anywhere in the state, with potential VOC emissions of 100 tons per year or more, and not regulated by any other provision of Article 8. This source commenced operation prior to October 7, 1974, therefore, this rule does not apply.

326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark and Floyd Counties)

The source is not subject to the requirements of 326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark and Floyd Counties), because this source is not located in one of the listed counties.

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)

The source is not subject to the requirements of 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels) because this source is not located in one of the listed counties and was constructed prior to January 1, 1980.

There are no other 326 IAC 8 rules that apply to this source.

Testing Requirements

The testing requirement from the original FESOP was incorporated into this FESOP. The compliance stack test shall be performed between May 18, 2004 and November 18, 2004 which corresponds to five (5) years since the latest valid stack test plus one hundred and eighty (180) days at the vapor recovery unit (VRU) to demonstrate compliance with 40 CFR Part 60, subpart XX. This test shall be performed according to 40 CFR 60, Appendix A, Methods 25 and 25A.

Previous stack test to comply with this requirement was conducted as follows:

(a) VOC emissions testing was performed on May 18, 1999.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

All compliance requirements from previous approvals were incorporated into this FESOP, except the frequency for liquid leaks checks for the loading rack has been changed to "monthly" from "daily".

Reason changed: Pursuant to 40 CFR 60.502(j), Subpart XX, the liquid leaks checks for the loading rack are required on a monthly basis. Therefore, the liquid leaks checks frequency is being changed from "daily" to "monthly" during this permit renewal process.

The compliance monitoring requirements applicable to this source are as follows:

1. The operation of the loading rack has applicable compliance monitoring conditions as specified below:

(a) Immediately before the performance test required to determine compliance with 40 CFR 60.502 (b), (c), and (h), the Permittee shall use Method 21 to monitor for leakage of vapor all potential sources in the terminal's vapor collection system equipment while a gasoline tank truck is being loaded. The Permittee shall repair all leaks with readings of 10,000 ppm (as methane) or greater before conducting the performance test.

(b) The Permittee shall determine compliance with the standards in 40 CFR 60.502 (b) and (c) using the testing procedures pursuant to 40 CFR 60.503 (c)(1) through (7).

(c) The Permittee shall determine compliance with the standard in 40 CFR 60.502 (h) using the testing procedures pursuant to 40 CFR 60.503 (d)(1) and (2).

(d) The tank truck vapor tightness documentation required under 40 CFR 60.502(e)(1) shall be kept on file at the terminal in a permanent form available for inspection.

(e) The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by Method 27. This documentation shall include, as a minimum, the following information:

(1) Test title: Gasoline Delivery Tank Pressure Test-EPA Reference Method 27.
(2) Tank owner and address.
(3) Tank identification number.
(4) Testing location.
(5) Date of test.
(6) Tester name and signature.
(7) Witnessing inspector, if any: Name, signature, and affiliation.
(8) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs).

(f) A record of each monthly leak inspection required under 40 CFR 60.502(j) shall be kept on file at the terminal for at least 2 years. Inspection records shall include, as a minimum, the following information:

(1) Date of inspection.
(2) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak).
(3) Leak determination method.
(4) Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days).
(5) Inspector name and signature.

(g) The terminal owner or operator shall keep documentation of all notifications required under 40 CFR 60.502(e)(4) on file at the terminal for at least 2 years.

(h) The Permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least 3 years.

(i) Monthly checks for liquid leaks during loading or unloading operations of the Loading Rack, the vapor collection system and the vapor recovery unit (VRU) shall be performed during normal daylight operations when the facility is in operation. A trained employee will record any visible liquid leaks and the date of such leaks. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a liquid leak is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

These monitoring conditions are necessary because the limits on the tank truck loading rack are needed to ensure compliance with 326 IAC 2-8 (FESOP) and 40 CFR 60.500, Subpart XX).

Conclusion

The operation of this bulk petroleum storage and transfer terminal shall be subject to the conditions of the attached proposed FESOP No.: F035-16539-00018.

Appendix A: Emission Calculations
Process Fugitive

Company Name: Equilon Enterprises LLC d.b.a. Shell Oil Products US - Muncie Terminal
Address City IN Zip: 2000 East State Road, Muncie, IN 47302
FESOP: F035-16539-00018
Reviewer: Adeel Yousuf / EVP
Date: 06/06/03

Component Type	Service	Avg. Emission Factor	Quantity*	VOC Emissions (lb/hr)	VOC Emissions (tons/yr)
		(lb/hr/unit)			
Flanges	Light Liquid	1.76E-05	1462	0.026	0.11
Valves	Light Liquid	9.48E-05	287	0.027	0.12
Loading Arms V	Light Liquid	9.48E-05	3	0.000	0.00
Open Ended Lines	Light Liquid	2.87E-04	12	0.003	0.02
Pump Seals	Light Liquid	1.19E-03	13	0.015	0.07
Other	Light Liquid	2.87E-04	22	0.006	0.03
Flanges	Vapor	8.82E-05	12	0.001	0.00
Valves	Vapor	2.87E-05	2	0.000	0.00
Loading Arms V	Vapor	2.87E-05	1	0.000	0.00
Open Ended Lines	Vapor	2.65E-04	1	0.000	0.00
Total				**0.08**	**0.35**

Note: Emission factors are taken from: U.S. EPA. Office of Air Quality Planning and Standards. Protocol for Equipment Leak Emission Estimates. (Research Triangle Park, NC: U.S. EPA EPA-453/R-95-017, 1995). Table 2-3

Methodology:
VOC Emssions (tpy) = Quantiy x Emission Factor x (1 ton/ 2000 lb) x (8760 hr / 1 yr)

Appendix A: Emission Calculations
Tank VOC Emissions - Maximum PTE

Company Name: **Equilon Enterprises LLC d.b.a. Shell Oil Products US - Muncie Terminal**
Address City IN Zip: **2000 East State Road, Muncie, IN 47302**
FESOP: **F035-16539-00018**
Reviewer: **Adeel Yousuf / EVP**
Date: **06/06/03**

Tank	Product	Losses (Tons per Year)						Total VOC
ID	Stored	Breathing	Working	Rim Seal	Withdrawal	Deck Fitting	Deck Seam	Tons/yr
Significant (Following emissions are based on the annual limited throughput of 157,345,440 gallons)								
M10	Gasoline/Distillate	--	--	0.50	0.05	2.79	0.26	3.61
M11	Gasoline/Distillate	--	--	0.51	0.09	1.21	0.39	2.21
M21	Gasoline/Distillate	0.01	0.20	--	--	--	--	0.21
M71	Gasoline/Distillate	--	--	1.08	0.07	1.26	0.25	2.66
Insignificant								
M1	Gasoline Additive	0.11	0.04	--	--	--	--	0.15
M2	Gasoline Additive	0.07	0.02	--	--	--	--	0.09
M31	Contact Water	--	--	--	--	--	--	0.00
Total VOC		0.18	0.27	2.09	0.21			8.92

Note: All storage tank emissions estimated using USEPA's Tanks 4.09 software program and are based on the estimated maximum annual throughput for each fuel/additive.

Appendix A: Emission Calculations

Company Name: Equilon Enterprises LLC d.b.a. Shell Oil Products US - Muncie Terminal
Address City IN Zip: 2000 East State Road, Muncie, IN 47302
FESOP: F035-16539-00018
Reviewer: Adeel Yousuf / EVP
Date: 06/06/03

Total Potential To Emit (tons/year)

	Emissions Generating Activity			
Pollutant	Storage Tanks	Loading Rack	Insignificant Activities *	**TOTAL**
PM	0.00	0.00	0.00	0.00
PM10	0.00	0.00	0.00	0.00
SO2	0.00	0.00	0.30	0.30
NOx	0.00	0.00	0.10	0.10
VOC	8.68	666.56	0.59	675.83
CO	0.00	0.00	0.00	0.00
total HAPs	3.41	261.24	0.20	264.85
worst case single HAP	1.30 (MTBE)	99.83 (MTBE)	0.05 (MTBE)	101.18 (MTBE)

Total emissions based on rated capacities at 8,760 hours/year.
* Insignificant activities consist of No. 2 fuel oil combustion, insignificant storage tanks and Process fugitives.

Limited Potential To Emit (tons/year)

	Emissions Generating Activity			
Pollutant	Storage Tanks	Loading Rack	Insignificant Activities *	**TOTAL**
PM	0.00	0.00	0.00	0.00
PM10	0.00	0.00	0.00	0.00
SO2	0.00	0.00	0.30	0.30
NOx	0.00	0.00	0.10	0.10
VOC	8.68	32.74	0.59	42.01
CO	0.00	0.00	0.00	0.00
total HAPs	3.41	12.40	0.20	16.01
worst case single HAP	1.30 (MTBE)	4.73 (MTBE)	0.05 (MTBE)	6.08 (MTBE)

Total emissions based on rated capacities at 8,760 hours/year.
* Insignificant activities consist of No. 2 fuel oil combustion, insignificant storage tanks and Process fugitives.

Appendix A: Emission Calculations
HAP Potential Emissions Summary

Company Name: Equilon Enterprises LLC d.b.a. Shell Oil Products US - Muncie Terminal
Address City IN Zip: 2000 East State Road, Muncie, IN 47302
FESOP: F035-16539-00018
Reviewer: Adeel Yousuf / EVP
Date: 06/06/03

Source	Service	VOC	Vapor Weight Percent										Total
		Emissions	Benzene	Toluene	Ethylbezene	Xylenes	Cumene	Napthalene	MTBE	n-Hexane	2,2,4-Tri-methylpentane	1,2,4-Trimethyl benzene	
	Gasoline Liq. (worst case)		1.20%	6.00%	1.20%	7.00%	0.15%	0.30%	15.00%	1.30%	4.70%	2.40%	
	Distillate vap. (worst case)		0.11%	1.15%	0.12%	0.74%	0.06%	0.02%	0.00%	0.02%	0.00%	0.08%	
	Additive (worst case)		0.00%	0.00%	1.60%	7.80%	4.40%	6.50%	0.00%	0.00%	0.00%	6.50%	
			HAP Emissions (tons/yr)										
M10	Gasoline (Worst Case)	3.61	0.04	0.22	0.04	0.25	0.01	0.01	0.54	0.05	0.17	0.09	1.42
M11	Gasoline (Worst Case)	2.21	0.03	0.13	0.03	0.15	0.00	0.01	0.33	0.03	0.10	0.05	0.87
M21	Gasoline (Worst Case)	0.21	0.00	0.01	0.00	0.01	0.00	0.00	0.03	0.00	0.01	0.01	0.08
M71	Gasoline (Worst Case)	2.66	0.03	0.16	0.03	0.19	0.00	0.01	0.40	0.03	0.13	0.06	1.04
Storage Tanks	Subtotal	8.69	0.10	0.52	0.10	0.61	0.01	0.03	1.30	0.11	0.41	0.21	3.41
Loading	Distillate	1.20	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Loading	Max Gasoline	656.96	7.88	39.42	7.88	45.99	0.99	1.97	98.54	8.54	30.88	15.77	257.86
Loading	Fugitives (Gasoline)	8.54	0.10	0.51	0.10	0.60	0.01	0.03	1.28	0.11	0.40	0.20	3.35
Loading	Subtotal	666.70	7.99	39.94	7.99	46.59	1.00	2.00	99.83	8.65	31.28	15.97	261.24
Fugitives	Gasoline	0.35	0.00	0.02	0.00	0.02	0.00	0.00	0.05	0.00	0.02	0.01	0.14
Insignificant Storage Tanks	Additive	0.24	0.00	0.00	0.00	0.02	0.01	0.02	0.00	0.00	0.00	0.02	0.06
Total	**tons/yr**	**676.0**	**8.1**	**40.5**	**8.1**	**47.2**	**1.0**	**2.0**	**101.2**	**8.8**	**31.7**	**16.2**	**264.8**

Note: (1) All storage tank emissions are calculated using EPA's TANKS 4.09 software program.
(2) Potential HAP emissions (tons/yr) = Potential VOC emissions (tons/yr) * Vapor Weight % HAPs
(3) FUG HAP emissions were conservatively estimated assuming all fluids in service had liquid gasoline HAP composition. Percent (%) by weight in liquid based on speciation for gasoline.
(4) Percent (%) weight in vapor conservatively based on speciation data either provided by Phillips or Gasoline Distribution MACT, Background Information for Proposed Standards (EPA-453/R-94-002A, Table C-5)

Appendix A: Emission Calculations
HAP Limited Emissions Summary

Company Name: Equilon Enterprises LLC d.b.a. Shell Oil Products US - Muncie Terminal
Address City IN Zip: 2000 East State Road, Muncie, IN 47302
FESOP: F035-16539-00018
Reviewer: Adeel Yousuf / EVP
Date: 06/06/03

Source	Service	VOC	Vapor Weight Percent										Total
		Emissions	Benzene	Toluene	Ethylbezene	Xylenes	Cumene	Napthalene	MTBE	n-Hexane	2,2,4-Tri-methylpentane	1,2,4-Trimethyl benzene	
	Gasoline Liq. (worst case)		1.20%	6.00%	1.20%	7.00%	0.15%	0.30%	15.00%	1.30%	4.70%	2.40%	
	Distillate vap. (worst case)		0.11%	1.15%	0.12%	0.74%	0.06%	0.02%	0.00%	0.02%	0.00%	0.08%	
	Additive (worst case)		0.00%	0.00%	1.60%	7.80%	4.40%	6.50%	0.00%	0.00%	0.00%	6.50%	
			HAP Emissions (tons/yr)										
M10	Gasoline (Worst Case)	3.61	0.04	0.22	0.04	0.25	0.01	0.01	0.54	0.05	0.17	0.09	1.42
M11	Gasoline (Worst Case)	2.21	0.03	0.13	0.03	0.15	0.00	0.01	0.33	0.03	0.10	0.05	0.87
M21	Gasoline (Worst Case)	0.21	0.00	0.01	0.00	0.01	0.00	0.00	0.03	0.00	0.01	0.01	0.08
M71	Gasoline (Worst Case)	2.66	0.03	0.16	0.03	0.19	0.00	0.01	0.40	0.03	0.13	0.06	1.04
Storage Tanks	Subtotal	8.69	0.10	0.52	0.10	0.61	0.01	0.03	1.30	0.11	0.41	0.21	3.41
Loading	Distillate	1.20	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Loading	Max Gasoline	22.98	0.28	1.38	0.28	1.61	0.03	0.07	3.45	0.30	1.08	0.55	9.02
Loading	Fugitives (Gasoline)	8.54	0.10	0.51	0.10	0.60	0.01	0.03	1.28	0.11	0.40	0.20	3.35
Loading	Subtotal	32.72	0.38	1.91	0.38	2.22	0.05	0.09	4.73	0.41	1.48	0.76	12.40
Fugitives	Gasoline	0.35	0.00	0.02	0.00	0.02	0.00	0.00	0.05	0.00	0.02	0.01	0.14
Insignificant Storage Tanks	Additive	0.24	0.00	0.00	0.00	0.02	0.01	0.02	0.00	0.00	0.00	0.02	0.06
Total	**tons/yr**	**42.0**	**0.5**	**2.4**	**0.5**	**2.9**	**0.1**	**0.1**	**6.1**	**0.5**	**1.9**	**1.0**	**16.0**

Note: (1) All storage tank emissions are calculated using EPA's TANKS 4.09 software program.
(2) Potential HAP emissions (tons/yr) = Potential VOC emissions (tons/yr) * Vapor Weight % HAPs
(3) FUG HAP emissions were conservatively estimated assuming all fluids in service had liquid gasoline HAP composition. Percent (%) by weight in liquid based on speciation for gasoline.
(4) Percent (%) weight in vapor conservatively based on speciation data either provided by Phillips or Gasoline Distribution MACT, Background Information for Proposed Standards (EPA-453/R-94-002A, Table C-5)

Appendix A: Emission Calculations
Emissions from Truck Loading Operations

Company Name: Equilon Enterprises LLC d.b.a. Shell Oil Products US - Muncie Terminal
Address City IN Zip: 2000 East State Road, Muncie, IN 47302
FESOP: F035-16539-00018
Reviewer: Adeel Yousuf / EVP
Date: 06/06/03

Uncontrolled VOC Emissions

Material Loaded	C Maximum Throughput kgal/yr *	D Saturation Factor (S)	E MW lb/lb-mole	F Temperature F	G TVP psi	H AP-42 Emission Factor (lb/kgal) 12.46xD x E x G/(F +460)	Maximum Uncontrolled Loading Losses (tons/yr) CxH/2000
Petroleum Products (Gasoline)	157,345	1.0	62	52.12	5.5600	8.3506	656.96
Distillates	157,345	1.0	130	49.07	0.0048	0.0153	1.20
Total							**658.17**

Notes:
Emission factor in pounds per thousand gallons loaded, based on AP-42, Table 5.2-1, 5th Ed, 1995.

Fugitive VOC Emissions

Material Loaded	A Maximum Throughput kgal/yr *	B Maximum Uncontrolled Loading Losses (tons/yr)	C Capture Efficiency	Limited Fugitive Loading Losses (tons/yr) B x (1-C)
Petroleum Products (Gasoline)	157,345	656.96	98.70%	8.54
Distillates	157,345	1.20	98.70%	0.02
Total				**8.56**

Notes:
1. Capture efficiency for NSPS level tested tank trucks.

Appendix A: Emission Calculations

Appendix A: Emission Calculations
Emissions from Truck Loading Operations

Company Name: Equilon Enterprises LLC d.b.a. Shell Oil Products US - Muncie Terminal
Address City IN Zip: 2000 East State Road, Muncie, IN 47302
FESOP: F035-16539-00018
Reviewer: Adeel Yousuf / EVP
Date: 06/06/03

VRU Controlled VOC Emissions

Material Loaded	Maximum Throughput kgal/yr	Uncontrolled Loading Losses (tons/yr)	Permit Limit for Loading mg/l	Control Efficiency %	Lim. VCU Emissions (tons/yr)**
Petroleum Products (Gasoline)	157,345	656.96	35	99.95%	22.98
Distillates	157,345	1.20	No Limit	0.00%	1.20
Total					24.18

Notes:
1. Control efficiency taken from 1999 test result.
** Limited Gasoline Emission (tons/yr) = Gasoline throughput (gal/yr) x 3.7854 (L/gal) x emission limit (35 (mg/L)) x (1g / 1000 mg) x (1 lb/454g) x (1 ton/2000 lb)

Total VOC Emissions from Loading Rack

Material Loaded	Limited VCU Emissions (tons/yr)	Lim. Fugitive Loading Losses (tons/yr)	Limited Total (tons/yr)
Petroleum Products (Gasoline)	22.98	8.54	31.52
Distillates	1.20	0.02	1.22
Total	**24.18**	**8.56**	**32.74**

Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#1 and #2 Fuel Oil

Company Name: **Equilon Enterprises LLC d.b.a. Shell Oil Products US - Muncie Terminal**
Address City IN Zip: **2000 East State Road, Muncie, IN 47302**
FESOP: **F035-16539-00018**
Reviewer: **Adeel Yousuf / EVP**
Date: **06/06/03**

Heat Input Capacity MMBtu/hr	Potential Throughput kgals/year	S = Weight % Sulfur
		0.49
0.131	8.196857143	

	Pollutant				
	PM*	SO2	NOx	VOC	CO
Emission Factor in lb/kgal	2.0	69.58 *(142.0S)*	20.0	0.34	5.0
Potential Emission in tons/yr	0.0	0.3	0.1	0.0	0.0

Methodology

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.140 MM Btu

Emission Factors are from AP 42, Tables 1.3-1, 1.3-2, and 1.3-3 (SCC 1-03-005-01/02/03) Supplement E 9/98 (see erata file)
*PM emission factor is filterable PM only. Condensable PM emission factor is 1.3 lb/kgal.
Emission (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton